TRICORNTECH CORPORATION

Investor Conference

STOCK CODE：6909

Lead Underwriter 國泰綜合證券 Cathay Securities Corporation

TRICORNTECH

CONTENTS

DISCLAIMER

- The company's expectations and projections regarding its current situation fall within the scope of forward-looking statements, which inherently involve significant risks and uncertainties. As a result, actual outcomes may differ materially from the content of these forward-looking statements.

- The company makes no representations or warranties regarding forward-looking statements. Unless otherwise required by law, the company is not obligated to proactively update forward-looking statements due to new information, future events, or other circumstances.

TRICORNTECH

Company Profile

COMPANY MILESTONE

Capital: 611 million NTD

Number of employees: 127 (March 2025)

Tricorntech Corporation

- **Originated from Silicon Valley, USA**
  Founded by Dr. Leo Wang
- **2010Founded 2010 in Taiwan**
  The only R&D and manufacturing company of precision gas monitoring equipment in Taiwan
- **VOCs The first micro-VOCs analysis instrument**
  Advanced electronic component signal processing Nanomaterials Innovative sensor architecture

2010 Company Founded

Taiwan:
- **New Taipei City: HQ/R&D/Factory**
- **Tainan/Kaohsiung: Office**

North America: Office

2013 MiTAP Launched

2014 Semiconductor Application Adopted

2017 Global Expansion

漢民
Hermes Epitek

2018 Environmental Monitoring Adopted

2020 International Partnership

ThermoFisher SCIENTIFIC

2022 TOP 5 Semiconductor Manufacturing in Taiwan

2023 MiTAP M3 Launched

2024 FOUP Monitoring Application Deployed

CODE 6909

HIGH-TECH AND INTERNATIONAL MANAGEMENT TEAM

127 employees ◆ 43% of Masters or Ph.D.◆ 46% of R&D / technical personnel

(As of the end of March 2025)

Dr. Leo Wang - CHAIRMAN

Executive Director of Taiwan High-Tech Facilities Association
Intel Headquarters Strategic Planning (Microelectronics Detector Arrays) Division General Manager
PhD in Engineering Science, Pennsylvania State University

Dr. Allen Chou - CTO

Project Manager, Microsystem Technology Department, Intel Headquarters
Intel IPTC'2004 Best Technology Development Award
PhD in Electrical Engineering, University of Michigan

Dr. Lester Hsiao – VICE PRESIDENT Business Development

Taiwan High-Tech Facilities Association Core Group
Director, System Application Division, Tricorntech
PhD in Biomedical Sciences, National Yang-Ming University

Gisele Lu - CFO

Vice President of Operations, Fluxtek (7443)
Financial Manager, Delta Electronics (2308)
CMA(US)&CPA(TW) certificate holders
National Taiwan University, International Business, Accounting, Double Bachelor's Degree

Tirah Wu - DIRECTOR Business Development

Taiwan High-Tech Facilities Association Core Group
SEMI International Semiconductor Industry Association
Taipei University of Technology Bachelor

Dr. Walter Tung - DEPUTY DIRECTOR R&D Department

DuPont Taiwan R&D Manager, Scientist
China Probes(6217) R&D Director
PhD in Materials Science and Engineering, University of Pennsylvania

STRATEGIC BOARD WITH MULTI-SECTORAL EXPERTISE

Dr. Leo Wang - CHAIRMAN

Executive Director of Taiwan High-Tech Facilities Association

Intel Headquarters Strategic Planning (Microelectronics Detector Arrays) Division General Manager

PhD in Engineering Science, Pennsylvania State University

Bill Lin - DIRECTOR

President, STANDARD TECHNOLOGY CORPORATION

President, NEUTRON INC.

EMBA, National Taiwan University of Science and Technology

Nan-Chang Chiu - DIRECTOR

Representative of Taiwania Capital Management Corporation

Investment Principal, Taiwania Capital

MBA, University of Wisconsin–La Crosse, USA

Peter Hong - DIRECTOR

VP, Int'l Dept. SHIH-KUEN PLASTICS CO., LTD

Master, Industrial Engineering, Pennsylvania State University

Jui-Cheng Li - DIRECTOR

Director, LI LEI ENGINEERING CO., LTD.

Chemical Engineering, Kuang Wu Institute of Technology

Liru Yeh - Ind. DIRECTOR - Fin. & Acct.

Director of FMD, MYCENAX BIOTECH INC.

Independent Director, DELTA ASIA INTERNATIONAL CORP.

MBA, National Sun Yat-Sen University

Ted Liao - Ind. DIRECTOR - Fin. / Mgmt.

Chairman and GM, SinoPac Venture Capital Corp.

VP and Spokesman, Bank SinoPac

MBA, Mankato State University

Dr. Yih-Cheng Shih - Ind. DIRECTOR – SEMI

Senior Director, TSMC

VP and CTO, Asia Pacific Operations, Lam Research

PhD, Materials Science & Eng., U. C. Berkeley

Hu-Shih CHING - Ind. DIRECTOR – G & C

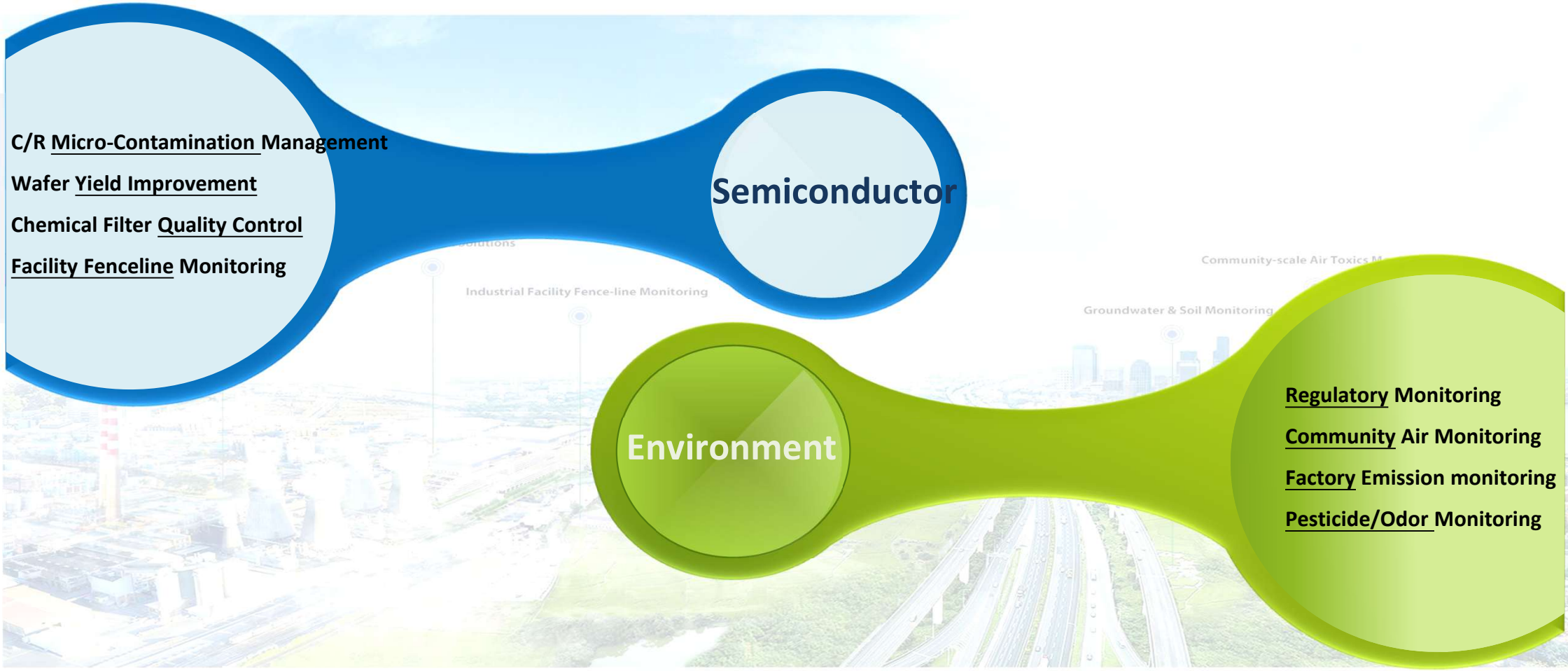
Chairman, China Grain Products R&D Institute

GM, Lien Hwa Industrial Investment Holdings

Master, Institute of Chemical Engineering, National Tsing Hua University

Industry & Application

TRICORNTECH – INDUSTRIES & APPLICATIONS

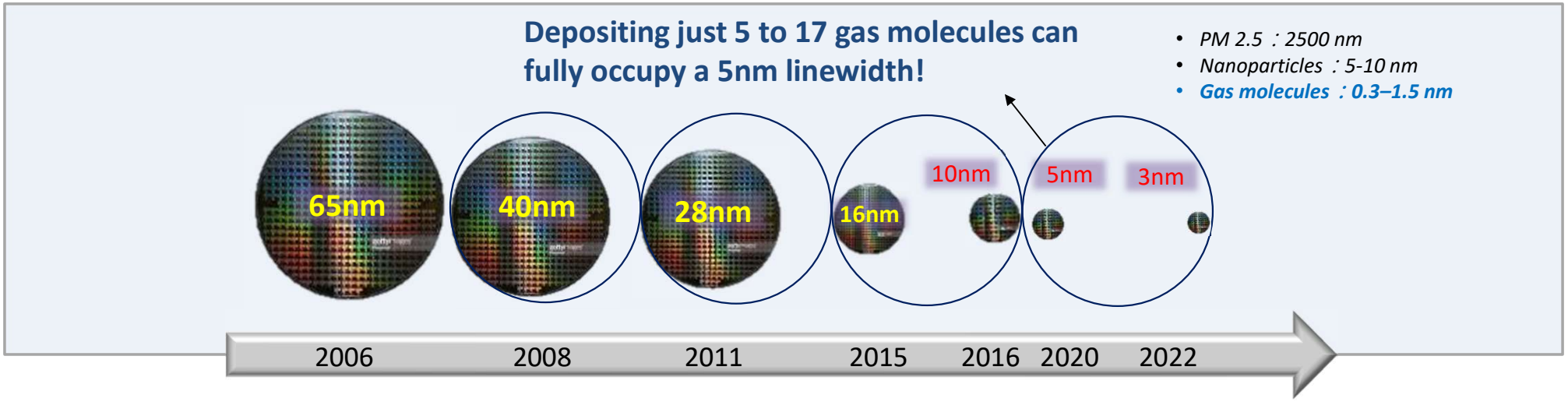


SEMICONDUCTOR INDUSTRY AMC IMPACTS WAFER YIELD IN MANUFACTURING PROCESS

"Advanced process technology refers to manufacturing techniques that enable circuits to be made smaller and more precise."

semi 國際半導體產業協會

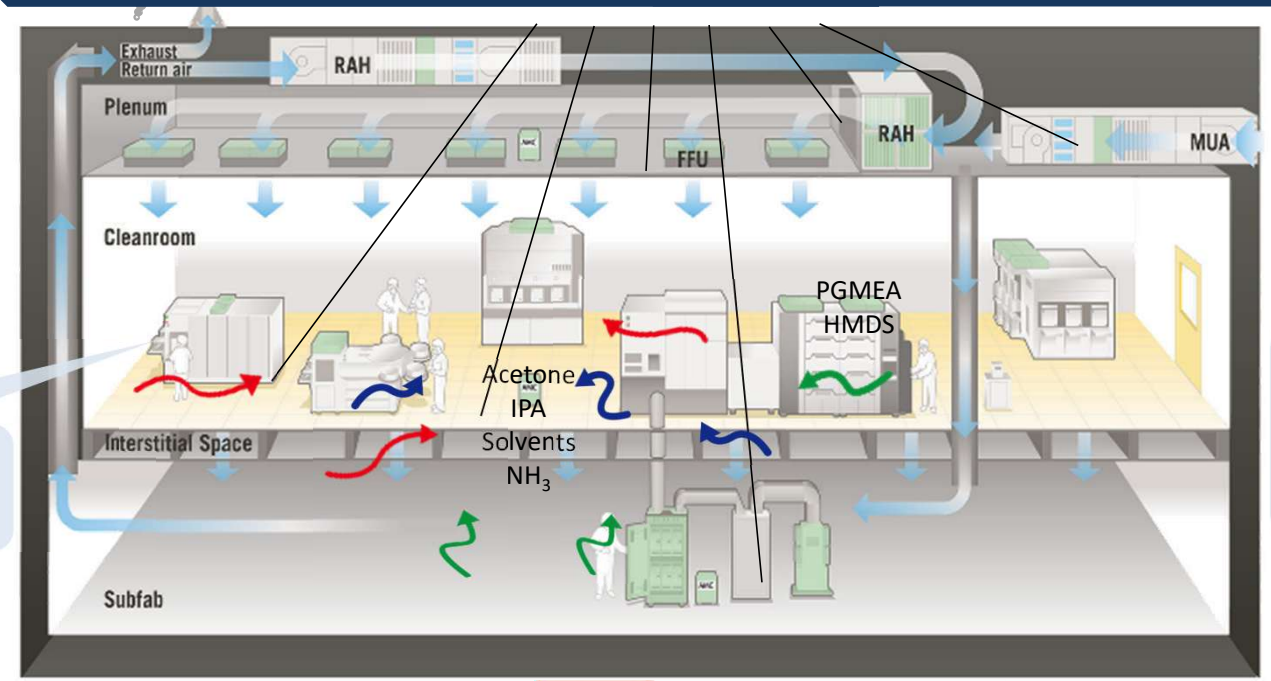
The smaller the circuit, the more likely the gas molecules will get stuck, causing wafer yield issues! → Airborne Molecular Contamination, AMC



SEMICONDUCTOR DEMAND – AMC GAS IS EVERYWHERE TO BE MONITORED

AMC gas impact wafer yield in manufacturing→ Monitoring is critical in AMC Management!

Monitoring Area: Facility Fenceline -> Exhaust System -> Cleanroom -> Wafer Mini-environment-> Process Equipment



Contamination Source Monitoring
Gas emissions, chemical pipelines, etc.

Air Supply Monitoring
Make-Up Air Unit(MAU)
Recirculation Air Handler(RAH) Fan Filter Unit(FFU)
Gas supply system

Image Source: Entegris®

AMC includes: MA Acid | MB Alkaline | VOC Organic Gas

ENVIRONMENTAL INDUSTRY HARMFUL AIR AFFECTS HUMAN HEALTH

VOC
Organic Gas

There are hundreds of VOC gases, some of which pose threats to human health, referred to as **Hazardous Air Pollutants (HAPs)**

What are Hazardous Air Pollutants? (HAPs)

According to the 1990 Clean Air Act of the U.S. Federal Environmental Protection Agency, Hazardous Air Pollutants (HAPs) are defined as "any air pollutant that may cause or is likely to cause cancer or other serious health effects, such as reproductive effects, birth defects, or adverse environmental and ecological impacts."

環境部
Ministry of Environment

Solvent Coatings | Pesticide Spraying | Industrial Emissions | Vehicle Emissions

ENVIRONMENT DEMAND – ENVIRONMENTAL REGULATIONS IN VARIOUS COUNTRIES

USA

EPA Next Generation Monitoring Program

California Refinery Monitoring Bill

Regional Regulations

China

14th Five-Year Plan

Environmental Protection and Ecological Environment Actions

VOC Governance

Taiwan

Environmental Protection Agency Project

Stationary Pollution Source HAPS Monitoring

VOC Source Tracing Management

USA

China

Taiwan

Renda Industrial Park

Liuqing Industrial Park

Linyuan Industrial Park

Linhai Industrial Park

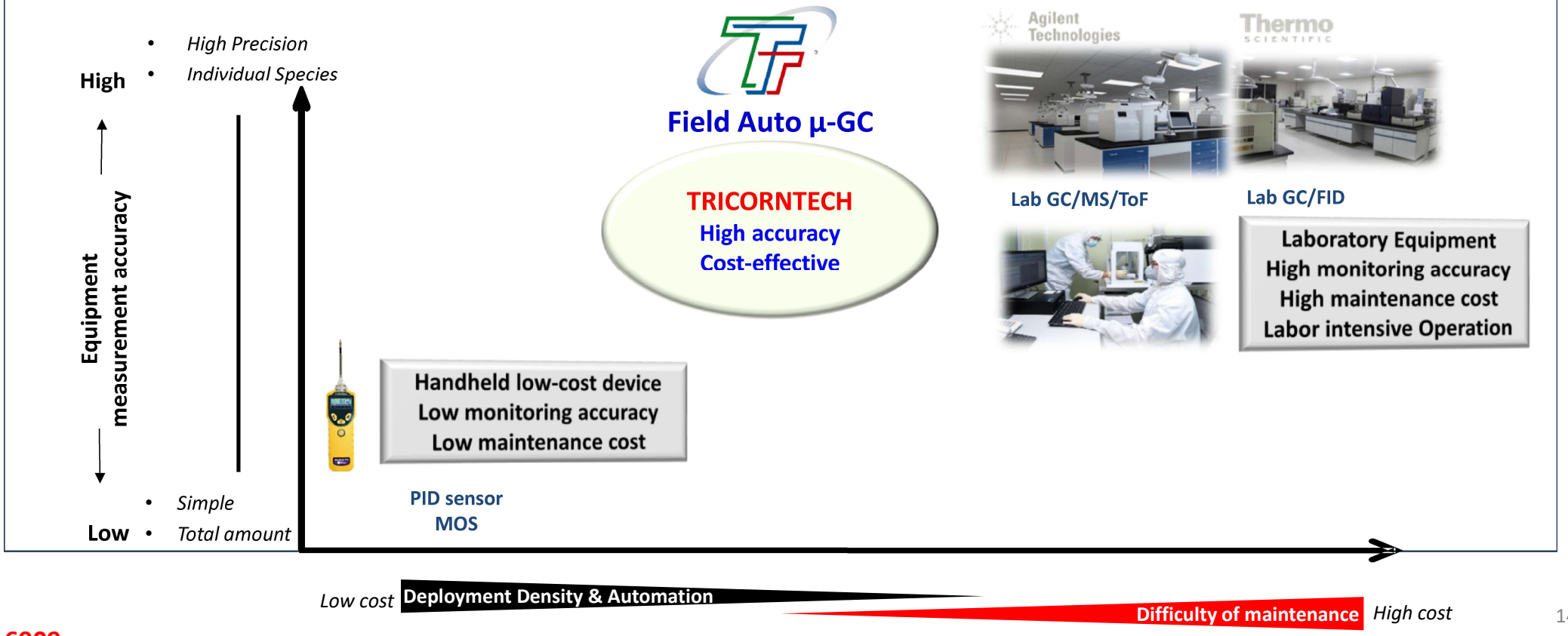
CSC Plant

TRICORNTECH

Technology & Applications

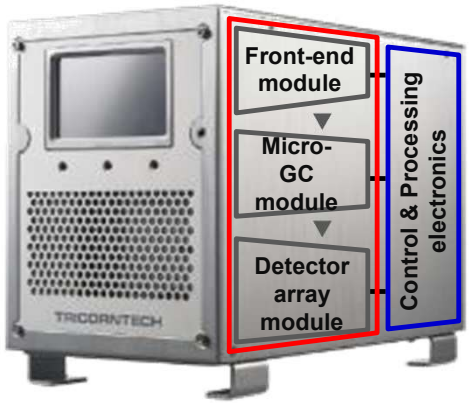
PRODUCT POSITIONING – LABORATORY-GRADE AUTOMATED MONITORING

「 Lab to Fab 」 The Pioneer of Laboratory-grade On-site Automatic Monitoring Solution!



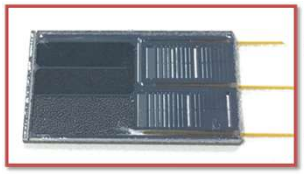
COMPETITIVE ADVANTAGE - EXCLUSIVE PATENTED TECHNOLOGY

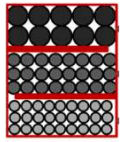
TRICORNTECH's Competitive Technology:



Front-end module

Multi-Bed Pre-con. Module





Uses various materials like **Tenax, Carbotrap, Carboxen** to enable the adsorption of C2 ~ C16 species.

Wide adsorption capacity, increasing VOC capture capabilities in various semiconductor processes

Captures comprehensive range of chemical contaminants

Micro-GC Module

Multi-dimensional GC Module

Low thermal mass (LTM) design
Highly thermally uniform design, microanalysis, and separation of characteristic substances

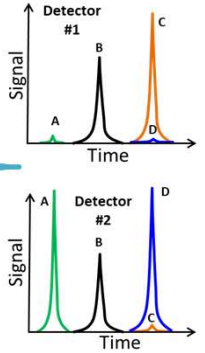
Multi-dimensional chromatography column to increase the separation performance by chemical properties such as carbon number, polarity, and hydrophilicity, etc.

Reduce interferences and stabilize analysis results

Detector array Module

Sensor-Array Detection Module

- FID
- ECD (Electron capture)
- PID
- AED (Atomic radiation)
- TID (Thermionic)
- DELCD (Electrochemistry)
- TCD (Heat conduction)
- Adsorption type thin film sensor



Sensor array combination to optimize detection results

Strengthen detection capabilities and provide optimal detection limit

Common Technology on the Market:

Single adsorbent | **Single chromatography column** | **Single Sensor**

APPLICATION PLATFORM

MiTAP

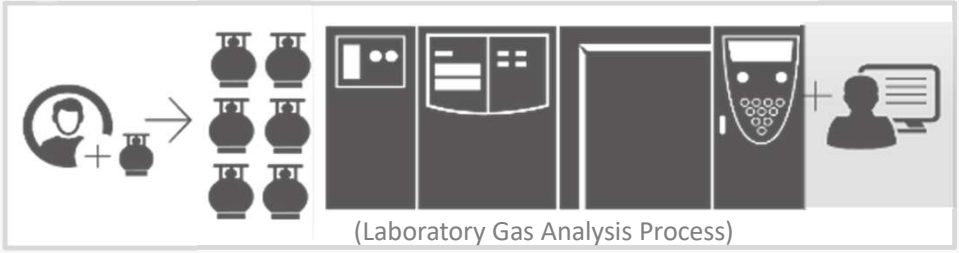
Plug & Go Lab on System!

Semiconductor Cleanroom Applications

Soil and Groundwater Monitoring

On-site, Real-time, Precise and Automated

(1) Manual fixed-point sampling (2) Laboratory System Operation (3) Data analysis



(Laboratory Gas Analysis Process)

Portable Emergency Response

Vehicle-mounted Mobile Monitoring

Outdoor Micro Smart Station

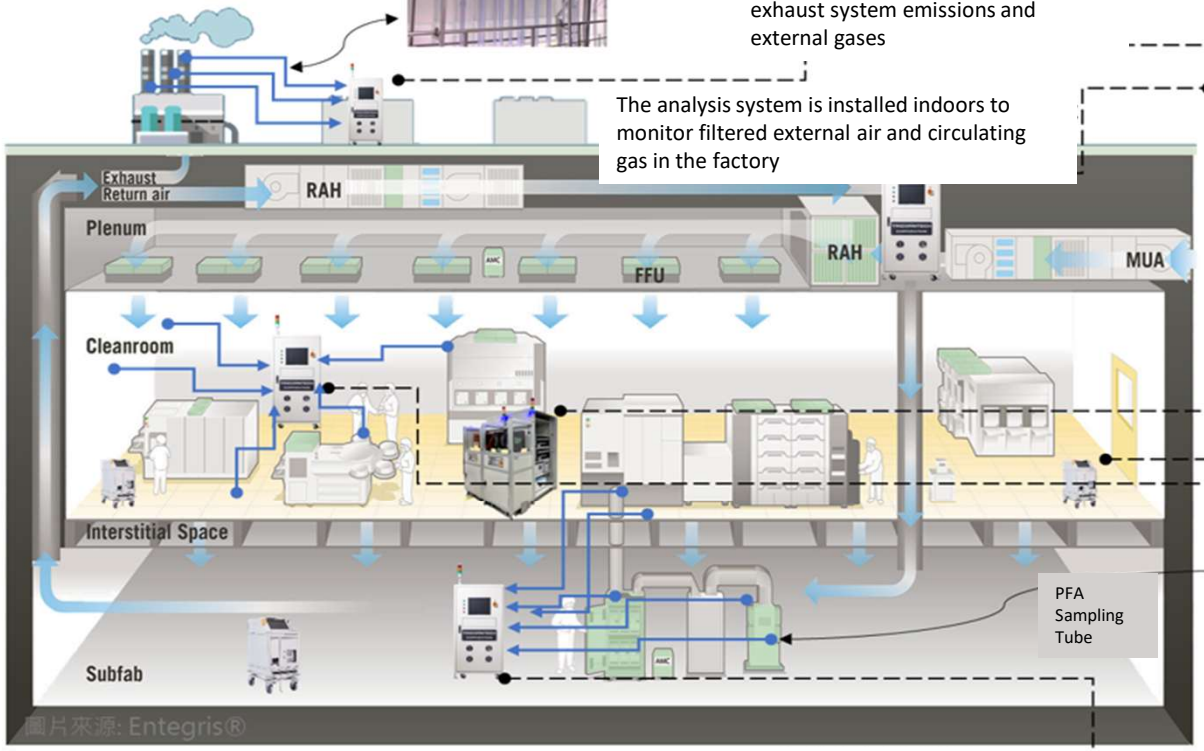
APPLICATION SOLUTIONS – TURN-KEY SOLUTION FOR SEMICONDUCTOR FAB

PFA Sampling Tube

Analyzers are placed in general air-conditioned rooms to monitor exhaust system emissions and external gases

The analysis system is installed indoors to monitor filtered external air and circulating gas in the factory

The system is placed in the main production area of the cleanroom to measure FOUP cleanliness.



Cleanroom cart system

PFA Sampling Tube

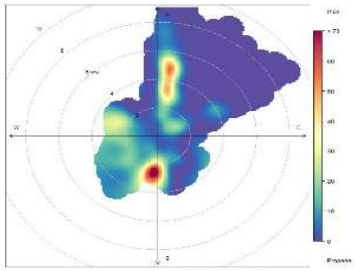
The system is placed in cleanroom to monitor the air cleanliness of the production mini-environment.

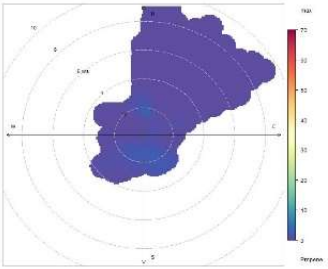
ENVIRONMENTAL APPLICATION – INDUSTRIAL PART POLLUTION TRACING

- **Fingerprint map of hazardous air pollutants in industrial areas:**

(MiTAP VOC Micro Station)

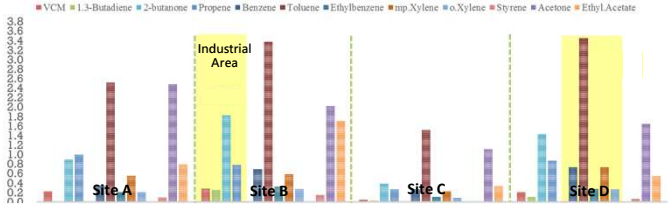
(MiTAP Indoor Setup)

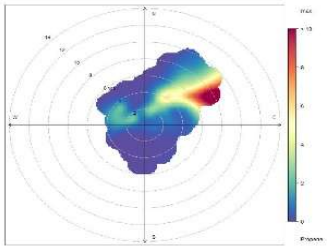


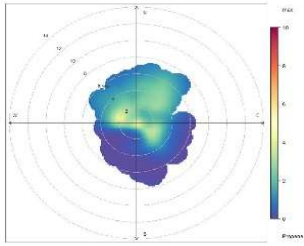


Industrial pollution sources | Traffic pollution source | Other pollution sources

Location	Propene	VCM	1.3-Butadiene	2-butanone	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	Acetone	Ethyl Acetate	Styrene
A	1.0	0.2	0.0	0.9	0.3	2.5	0.2	0.6	0.2	2.5	0.8	0.1
B	0.8	0.3	0.3	1.8	0.7	3.4	0.3	0.6	0.3	2.0	1.7	0.1
C	0.3	0.0	0.0	0.4	0.3	1.5	0.1	0.2	0.1	1.1	0.3	0.0
D	0.9	0.2	0.1	1.4	0.7	3.5	0.3	0.7	0.3	1.6	0.5	0.1







Competitive Advantages

COMPETITIVENESS –GLOBAL CUSTOMER CERTIFICATION AND RECOGNITION

The world's only MIT brand of high-end analytical instruments, adopted by top international enterprises and regulatory-leading nations.

USEPA
Recognize
Taiwan monitoring brand-MiTAP

California EPA
Air Monitoring Act
specifies the use of instruments

TSMC
Highly Recognized Award

National
Innovation Award

Industrial Bureau
Technical Excellence Award

MiTAP Specified in Tool List-the only Taiwan brand

2023 Selected as one of the "Top Five Semiconductor Manufacturers in Taiwan in 2023" by Semiconductor Review of the United States

2021 Invited to present the Semiconductor Technology Conference at SEMICON Taiwan 2021 (System process innovation monitoring technology)

2019 Won the recognition of the California Air Resources Board

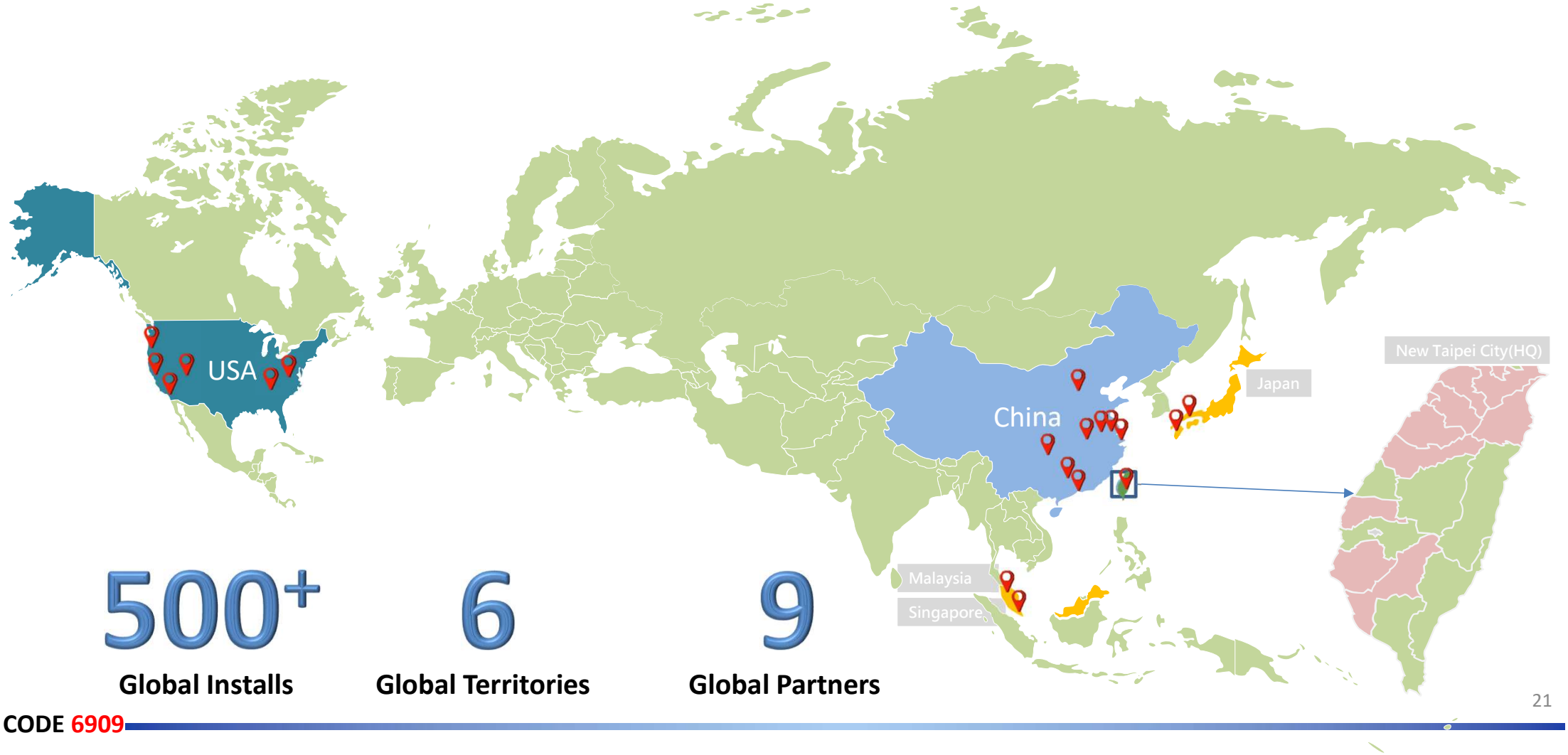
2017 Won recognition from the US Environmental Protection Agency ORD in the NGEM program

2017 Won the Certificate of Technical Excellence from the Industrial Development Bureau, Ministry of Economic Affairs

2016 Won the 13th National Innovation Award (Green Energy and Environmental Technology Category)

2015 Won the TSMC Highly Recognized Certificate of Appreciation

COMPETITIVE ADVANTAGE – INTERNATIONAL BUSINESS DEVELOPMENT AND OPERATION



500+ Global Installs

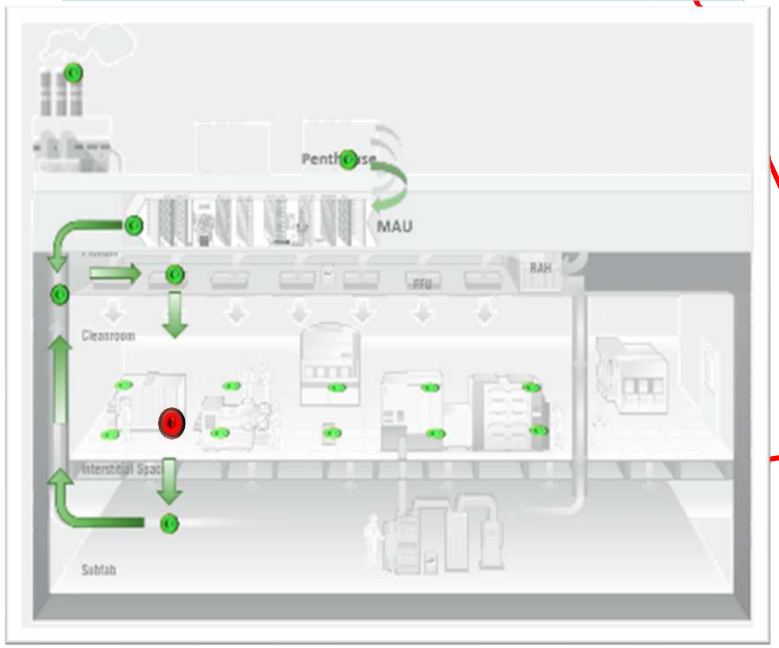
6 Global Territories

9 Global Partners

COMPETITIVE ADVANTAGE - CUSTOMER-ORIENTED TURN-KEY SOLUTIONS

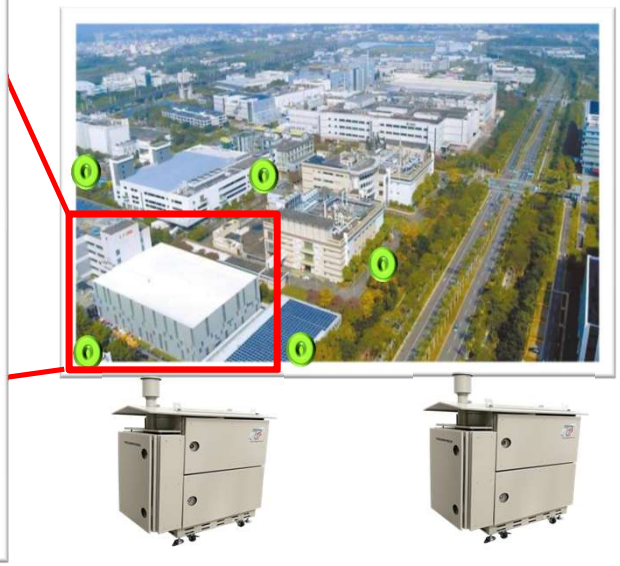
The response speed of customized solution development is much higher than that of foreign manufacturers

One-stop monitoring application for semiconductor plants



Semiconductor plant cross section diagram

Outdoor monitoring network around industrial plants



Schematic diagram of outdoor environment monitoring

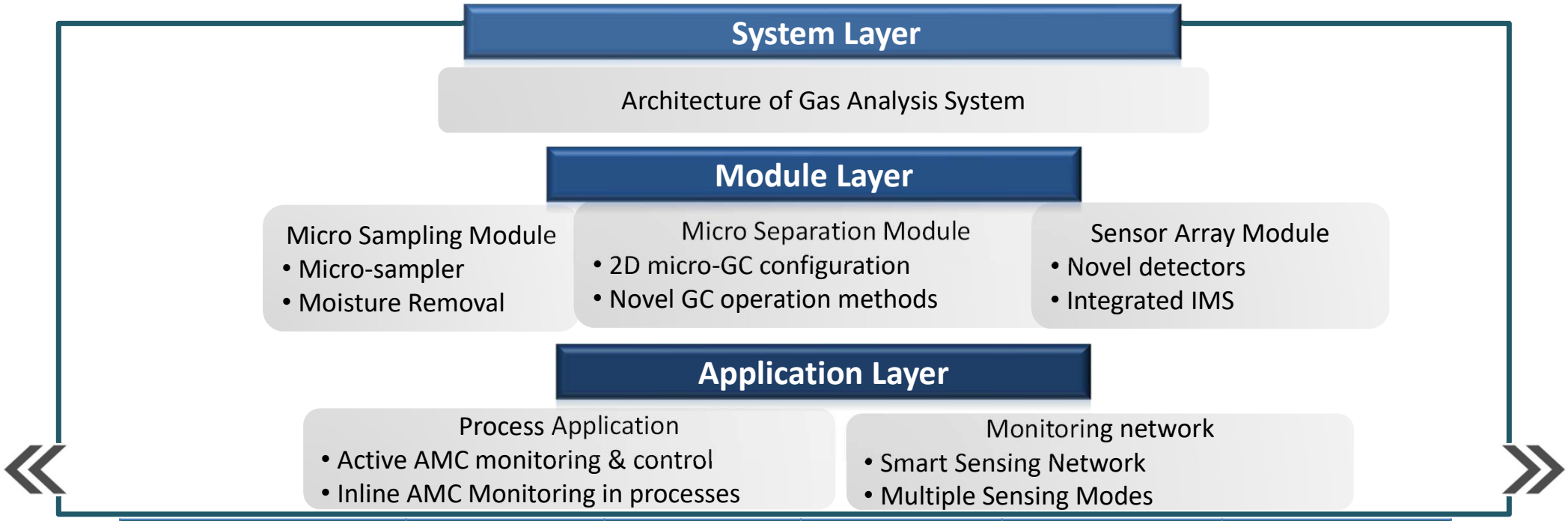
Flexible manufacturing: standard production w/ customized requirements

- Parameters >300 groups
- Measure up to 100 types
- <0.1ppbv detection limit

→ Modular design + Customization

Production cycle 4~6 weeks

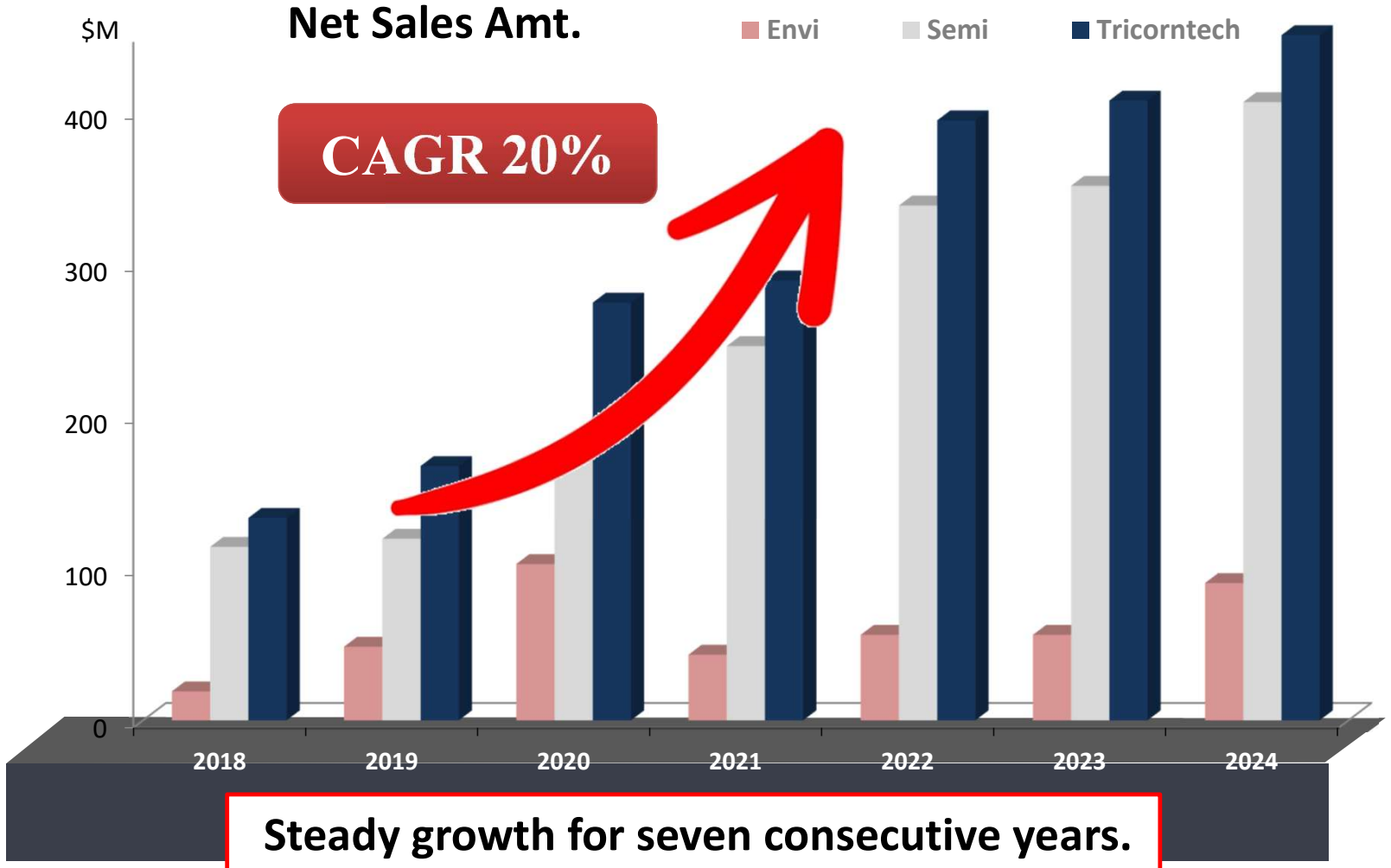
COMPETITIVE ADVANTAGE - EXCLUSIVE PATENTED TECHNOLOGY



Global Patents	TW	CN	US	Others	Total
Issued	**19**	**14**	**25**	**45**	**103**
Pending	1	2	1	12	16
Total	20	16	26	57	119

Operational & Financial Performance

REVENUE GROWTH TREND – 2018 ~ 2024



Steady growth for seven consecutive years.

SERVICE REVENUE – A LONG-TERM AND STABLE SOURCE OF INCOME

CAGR 18%

Maintenance income is stable and predictable.

Proprietary Patents
Key parts and consumables are solely provided by TRICORNTECH.

Critical Components
Consumables will be replaced by customers after a period of time of operation to meet industry requirements.

TOOL SALES DRIVE MAINTENANCE REVENUE!

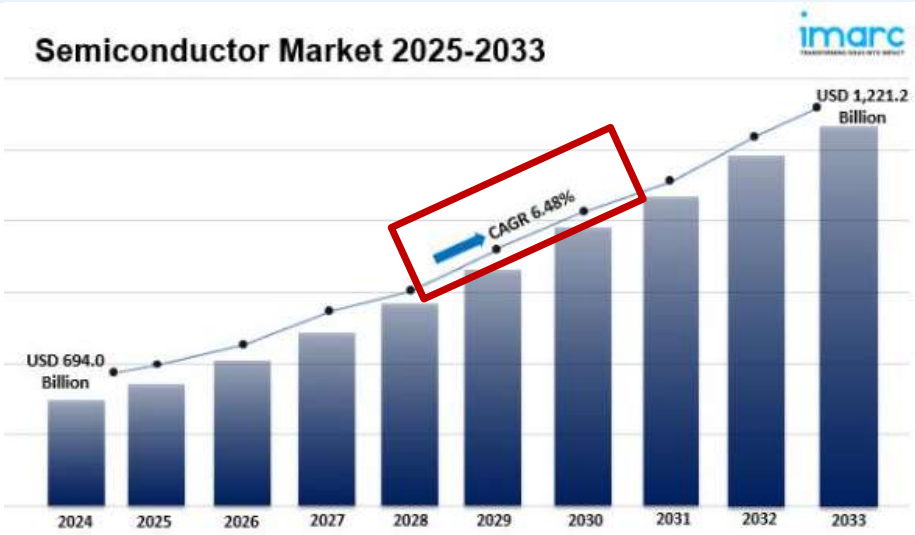
STRATEGIC PROFITABILITY DRIVEN BY PATENTS AND INTEGRATED SOLUTIONS

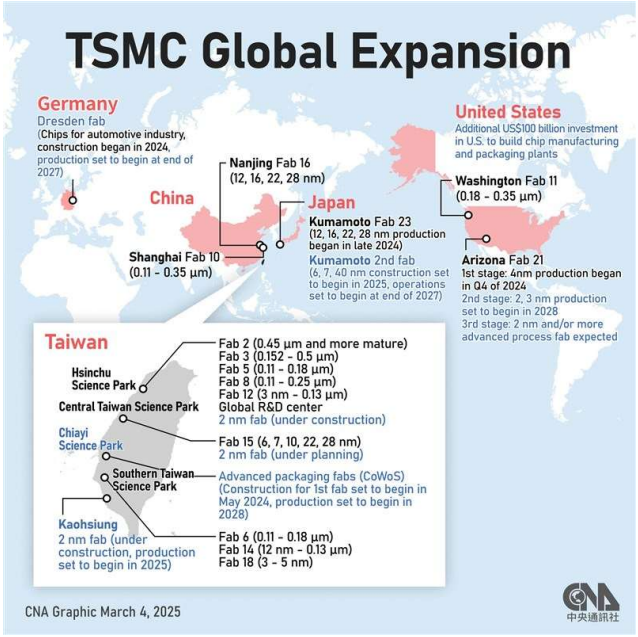
Source: Market Observation Post System, compiled by Tricorntech

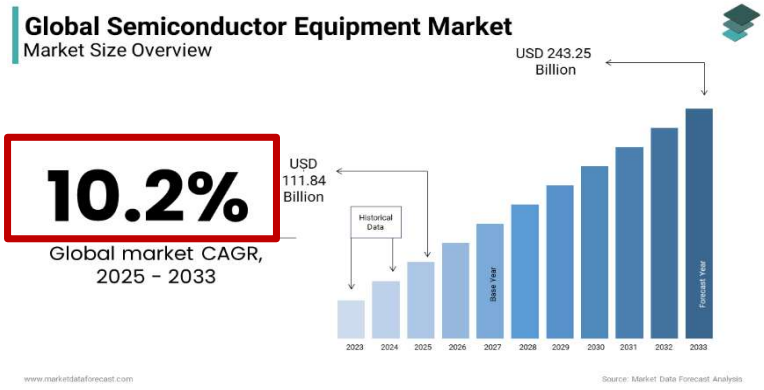
Market Analysis & Growth Drivers

SEMICONDUCTOR INDUSTRY – SEMICONDUCTOR MARKET FORECAST

- Global Expansion Plan: As geopolitical issues continue to heat up, major wafer manufacturers are rushing to expand globally, planning to build 10 new wafer fabs around the world by 2025, setting a new record for the number of fabs built simultaneously in history, and pushing capital expenditures to resume high annual growth in 2025. Capital expenditures are expected to reach US$38 billion to US$42 billion in 2025.
- The global semiconductor market and semiconductor equipment market will continue to grow.



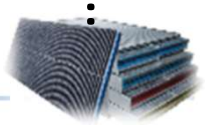




Source: Central News Agency、imarc、Market Data Forecast

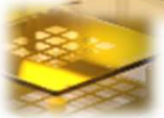
DEMAND FOR ADVANCED PROCESSES DRIVES RAPID GROWTH

	Upstream supply	AMC Monitoring Application	Extended Application
Current Business Scope	Chemical filter production, Chemical filter quality control	Facility Environment: Outside air, circulating air, C/R ambient air…	Photovoltaic panel factory and outdoor air monitoring
Business expansion scope		Equipment Environment: Equipment gas supply, chemical supply, special gas use, etc.	
		Mini-Environment: Wafer carrier, wafer transfer, process production,etc.	







SEMICONDUCTOR MARKET FORECAST – AMC MANAGEMENT

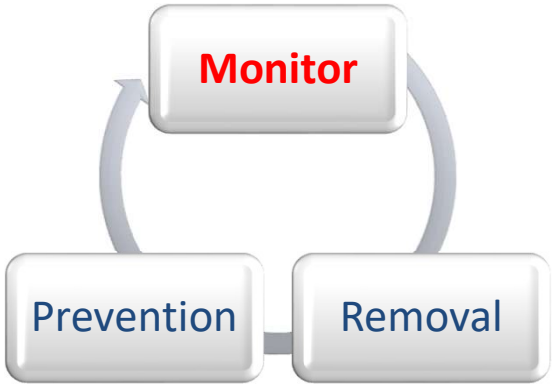
Contamination Monitoring Leads the Way in Prevention and Removal!

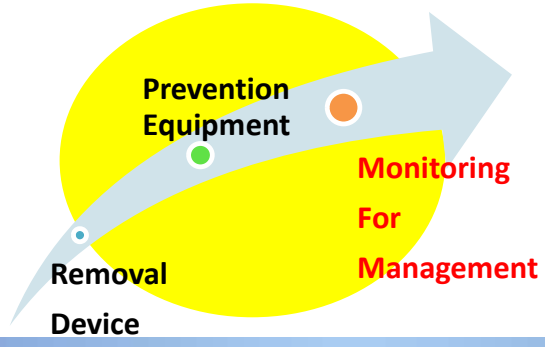
Offline monitoring:
Extensive research and establishment of indicators

Online monitoring:
Continuous analysis, background monitoring

Contamination Prevention

FOUP / FOSB Cleaning;
Facility Partition;
Load-port Purge;
Exhaust system

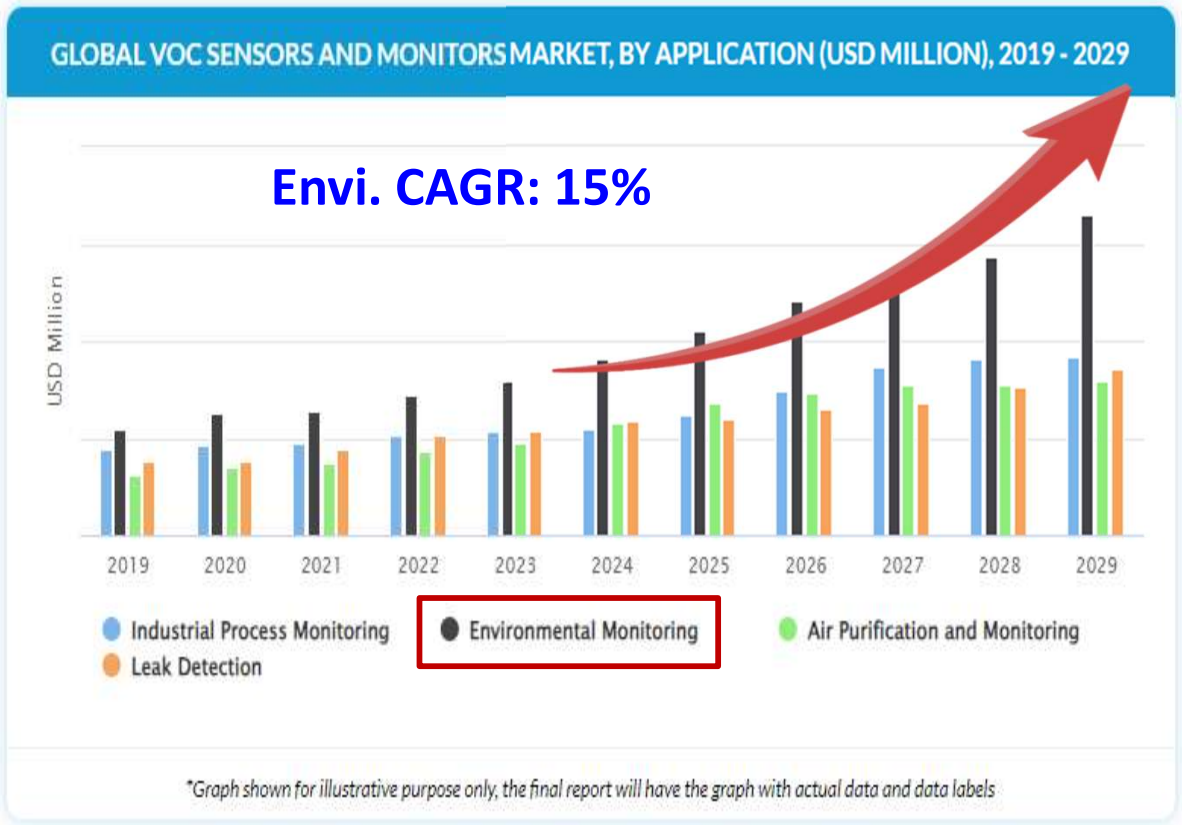




Contamination Removal

Make-up Air Unit;
Water washing device;
Catalytic conversion (VOC removal by RTO)

ENVI. – STABLE GROWTH AT MONITORING APPLICATION



Source: FMI(2023/7)

Largest Market Forecasted in North America

Countries	Market Value (2033)
The United States	US$ 105.9 million
The United Kingdom	US$ 17.0 million
China	US$ 30.3 million
Japan	US$ 25.6 million
South Korea	US$ 14.3 million

ENVIRONMENTAL MARKET & APPLICATIONS

Environmental Regulation Monitoring

Community Monitoring

Fenceline Monitoring

Traffic Monitoring

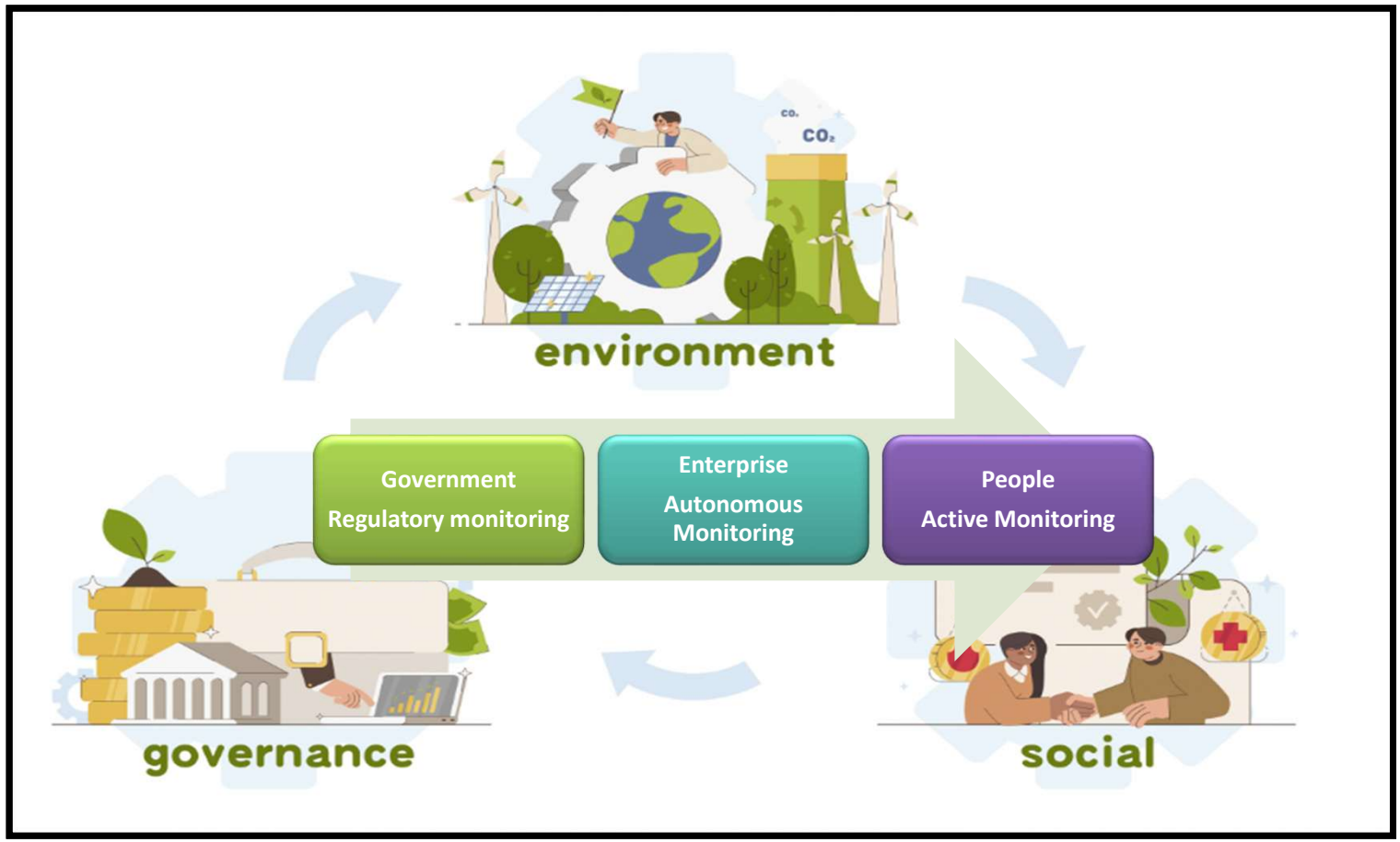
Industrial Park Pollution Tracing

◆ China Environmental Industry
- Industrial Zone Traceability Monitoring

◆ US Environmental Industry
- Industrial Community Mixed Area Monitoring
- Landfill/Pesticide Monitoring

◆ Taiwan Environmental Industry
- Industrial Community Mixed Area Monitoring
- Metropolitan area air quality monitoring

ENVIRONMENTAL MARKET DEVELOPMENT



Sustainable Development

Sustainable Development

Environmental

- Completed Voluntary Greenhouse Gas Inventory
- All Fixed-Speed AC Units Replaced with Inverter Models
- Assurance Report Completed 2028 Years Ago

- Achieved RE10 in 2024; Targeting RE20 by 2026
- 3 Consecutive Years of Green Deposits

ISO 14001:2015

Social

ISO 45001:2018

-Senior Female Executives: 33%
-Female Employees: 39%

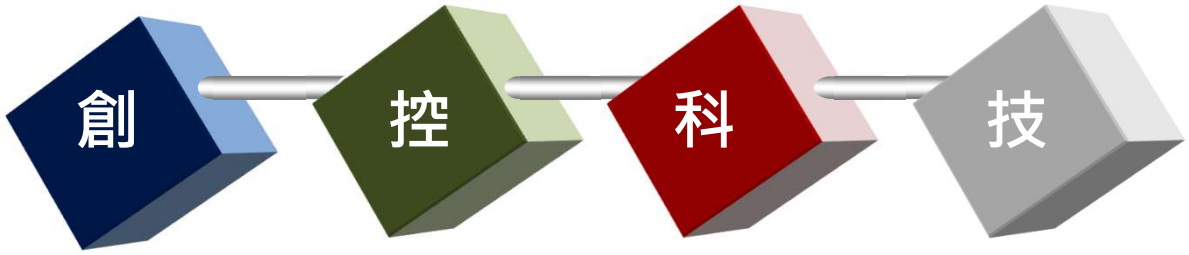
- Incentive Tools: Employee remuneration, bonuses, salary adjustments, ESOs, RSAs
- Group Life Insurance for Employees
- Leave Benefits Above Legal Requirements (e.g., 12 days of annual leave in the first year, paid sick leave)
- Flexible Working Hours

Governance

- DEI Statement

- Voluntary Compliance with Corporate Governance Evaluation
- Ind. Directors: 44% of BoD
- One Director of a Different Gender
- Dedicated Investor Relations Section on tCt Website

Sustainability Strategy



創造企業價值 廣納優質人才 共享營運成果	**控**制營運風險 提升財務穩健 邁向永續經營	**科**技創新引領 增強競爭優勢 厚實產品應用	**技**術持續深化 拓展國際視野 站穩全球市場

TRICORNTECH CORPORATION

Investor Conference

STOCK CODE：6909

Thanks for your attention!